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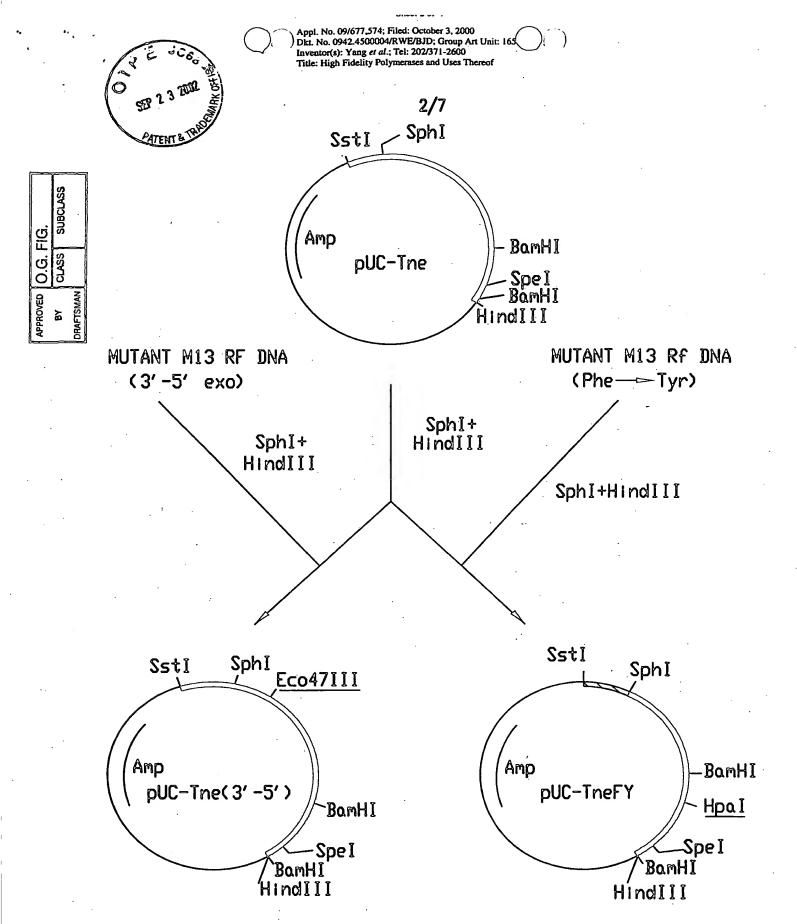


APPROVED O.G. FIG.
BY CLASS SUBCLASS
DRAFTSMAN

pSPORT-Ine BamHI EcoRV |EcoRV | SstI EcoRV |EcoRV SphI SphI BamHI Spel BamHI Spel HindIII BamHI HindIII BamHI

The POLYMERASE
THE REGION CONTAINS THE O-HELIX
HOMOLOGOUS SEQUENCES.

ر ا الم



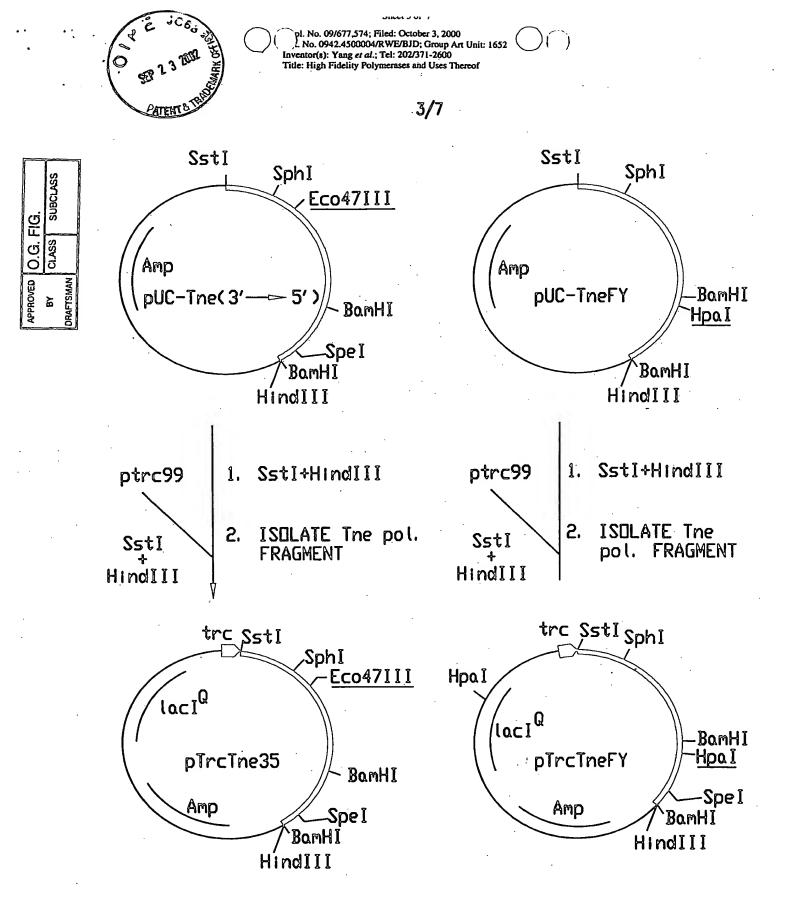
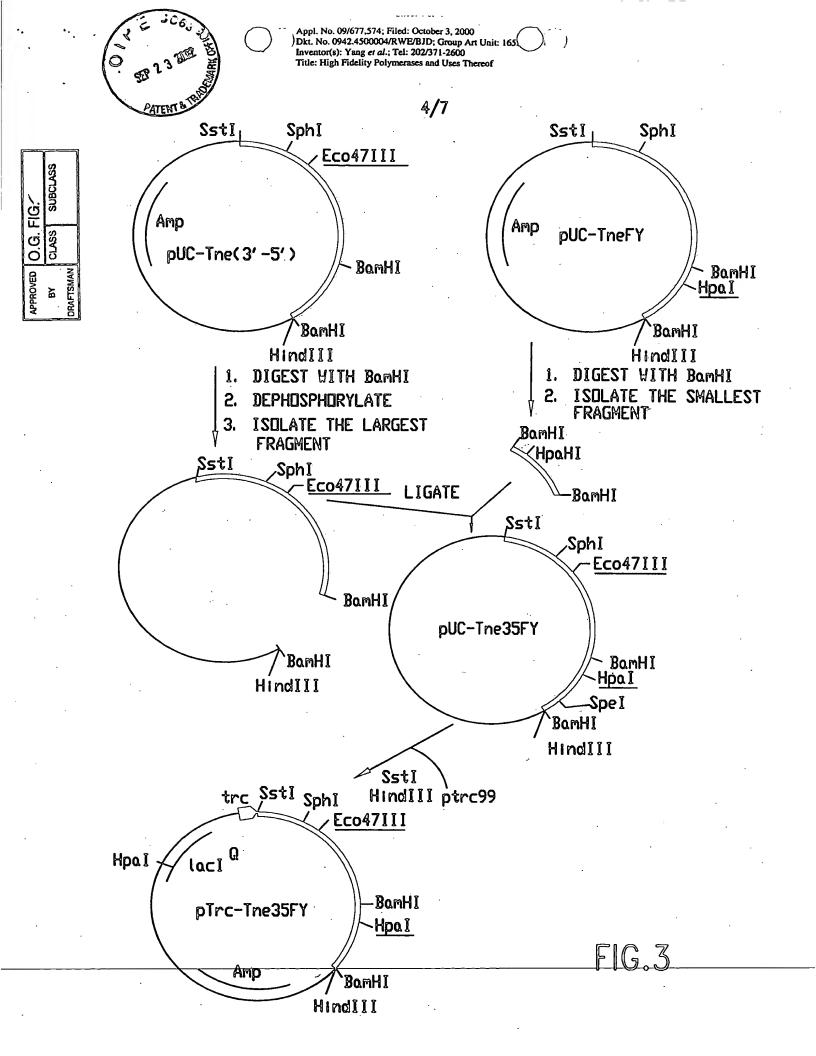


FIG.2B



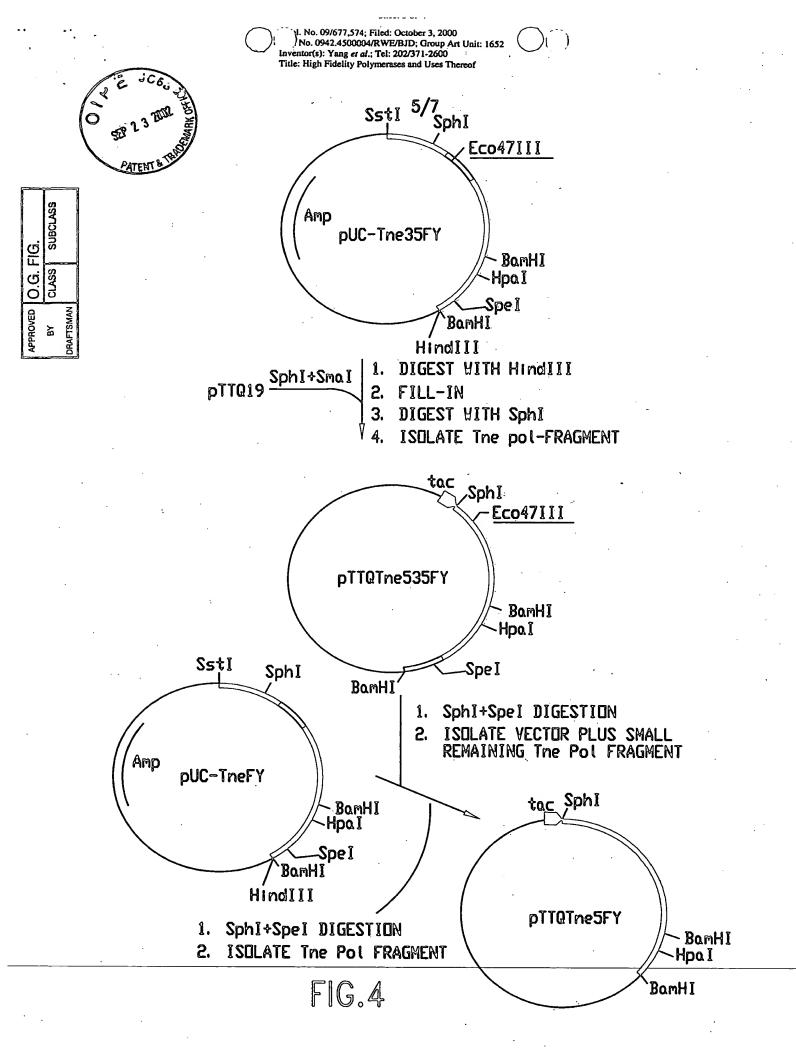




Figure 5

Appl. No. 09/677,574; Filed: October 3, 2000 kt. No. 0942,4500004/RWE/BJD; Group Art Unit: 1652 inventor(s): Yang et al.; Tel: 202/371-2600 Title: High Fidelity Polymerases and Uses Thereof

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APPROVED O.G. FIG.

BY CLASS SUBCLASS
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* — CAAGGT — * — CAAGGT — + dGTP, dCTP, ddATP + dGTP, TTP, ddATP

C1 C2 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

C1 Primer alone
C2 Reaction with dGTP, dCTP, TTP, ddATP and Tne DNA Polymerase (D137A, D323A, F730Y)
1,2:9,10 Taq DNA Polymerase
3,4:11,12 Tne DNA Polymerase (D137A, D323A)
5,6:13,14 Tne DNA Polymerase (D137A, D323A, R722Y)
7,8:15,16 Tne DNA Polymerase (D137A, D323A, R722L)

ppl. No. 09/677,574; Filed: October 3, 2000 kt. No. 0942,4500004/RWE/BJD; Group Art Unit: 1652 inventor(s): Yang et al.; Tel: 202/371-2600 Title: High Fidelity Polymerases and Uses Thereof



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PPROVED O.G. FIG.

BY CLASS SUBCLASS

APTISMAN

Figure 6

